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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

Re: Attorney Docket No. 1043.002

In re application of: Azzedine Touzni, Raúl A. Casas, Thomas J. Endres, Stephen L. Biracree, Christopher H. Strolle, and Samir N. Hulyalkar

Patent No.:	<u>7,031,405 B1</u>	Issue Date:	<u>April 18, 2006</u>
Serial No.:	<u>09/922,006</u>	Group No.:	<u>2634</u>
Filed:	<u>08/03/01</u>	Examiner:	<u>Ted Wang</u>
Matter No.	<u>ATINW013</u>	Phone No.:	<u>571-272-3053</u>

For: Carrier Phase Estimation Based On Single-Axis Constant Modulus Cost Criterion And Bussgang Criteria

**RESPONSE TO NOTIFICATION OF RETURN OF PAPERS**  
**RE: REQUEST FOR CERTIFICATE OF CORRECTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate**  
**JUN 14 2006**  
**of Correction**

Dear Sir:

In response to the "Notification of Return of Papers Re: Request for Certificate of Correction," mailed from the U.S. Patent and Trademark Office on May 15, 2006, the Applicant submits the following:

\* \* \* \* \*

Certification Under 37 CFR 1.8

Date of Deposit

June 7, 2006

I hereby certify that this correspondence is being deposited in the United States Postal Service with sufficient postage as first class mail under 37 CFR 1.8 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Mary E. Caniz  
(Name of person mailing)

Mary E. Caniz  
(Signature of person mailing)

JUN 15 2006

1. Original Notification of Return of Papers (1 page);
2. Petition for Certificate of Correction as originally filed on 05/08/06 (2 pages); and
3. Certificate of Correction reflecting the accurate Patent No. 7,031,405 B1 (1 page).

[X] The Commissioner is hereby authorized to charge payment of any fees required under 37 CFR §§ 1.20(a) associated with this communication or credit any overpayment to **Mendelsohn & Associates, P.C. Deposit Account No. 50-0782.**

Respectfully submitted,

Date: 6/7/06

Customer No. 22186

Mendelsohn & Associates, P.C.

1500 John F. Kennedy Blvd., Suite 405

Philadelphia, Pennsylvania 19102

Steve Mendelsohn

Steve Mendelsohn

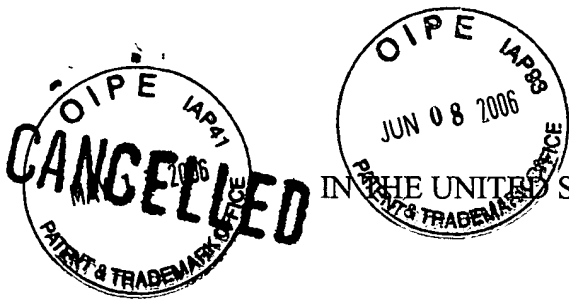
Registration No. 35,951

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Enclosures

05/08/06



*de*  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: Attorney Docket No. 1043.002

In re application of: Azzedine Touzni, Raúl A. Casas, Thomas J. Endres, Stephen L. Biracree, Christopher H. Strolle, and Samir N. Hulyalkar

Patent No.:	<u>7,031,405 B1</u>	Issue Date:	<u>April 18, 2006</u>
Serial No.:	<u>09/922,006</u>	Group No.:	<u>2634</u>
Filed:	<u>08/03/01</u>	Examiner:	<u>Ted Wang</u>
Matter No.	<u>ATI NW013</u>	Phone No.:	<u>571-272-3053</u>

For: Carrier Phase Estimation Based On Single-Axis Constant Modulus Cost Criterion And Bussgang Criteria

**PETITION FOR  
CERTIFICATE OF CORRECTION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is a Certificate of Correction listing errors that appear in the claims section of above-referenced patent.

\* \* \* \* \*

Certification Under 37 CFR 1.8

Date of Deposit May 8, 2006.

I hereby certify that this correspondence is being deposited in the United States Postal Service with sufficient postage as first class mail under 37 CFR 1.8 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Mary E. Caniz  
(Name of person mailing)

Mary E. Caniz  
(Signature of person mailing)

2006

In Column 17, on line 57, replace

" $\text{Re}\{y_n(\Theta)e^{-j\Theta[n]}\}=\text{Re}\{y_n(\Theta)\}\cos(\Theta[n])+\text{Im}\{y_n(\Theta)\}\sin(\Theta[n])$ ," with

$-\text{Re}\{y_n(\Theta)e^{-j\Theta[n]}\}=\text{Re}\{y_n(\Theta)\}\cos(\Theta[n])+\text{Im}\{y_n(\Theta)\}\sin(\Theta[n])$ ,--.

Support for this correction is found on page 28, claim 5, line 3 of the specification filed on 08/03/01.

[X] The Commissioner is hereby authorized to charge payment of any fees required under 37 CFR §§ 1.20(a) associated with this communication or credit any overpayment to **Mendelsohn & Associates, P.C. Deposit Account No. 50-0782.**

Respectfully submitted,

Date: 5/8/06

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Enclosures

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO. : 7,031,405 B1  
DATED : April 18, 2006  
INVENTOR(S) : Azzedine Touzni, Raul A. Casas, Thomas J. Endres, Stephen L. Biracree,  
Christopher H. Strolle, and Samir N. Hulyalkar

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

In Column 17, on line 57, replace

“ $\text{Re}\{y_n(\Theta)e^{j\Theta[n]}\}=\text{Re}\{y_n(\Theta)\}\cos(\Theta[n]) + \text{Im}\{y_n(\Theta)\}\sin([n]),$ ” with

$-\text{Re}\{y_n(\Theta)e^{j\Theta[n]}\}=\text{Re}\{y_n(\Theta)\}\cos(\Theta[n]) + \text{Im}\{y_n(\Theta)\}\sin(\Theta[n]),$ --.

MAILING ADDRESS OF SENDER:

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PATENT NO. 7,031,405 B1

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